

# Paul C Canfield

## List of Publications by Year in descending order

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576  
papers

28,331  
citations

5782

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582  
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582  
docs citations

582  
times ranked

13337  
citing authors

#	ARTICLE	IF	CITATIONS
1	Boron Isotope Effect in Superconducting MgB <sub>2</sub> . Physical Review Letters, 2001, 86, 1877-1880.	2.9	877
2	Growth of single crystals from metallic fluxes. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1992, 65, 1117-1123.	0.6	689
3	Probing magnetism in 2D van der Waals crystalline insulators via electron tunneling. Science, 2018, 360, 1218-1222.	6.0	668
4	Superconductivity in Dense MgB <sub>2</sub> Wires. Physical Review Letters, 2001, 86, 2423-2426.	2.9	522
5	Effects of Co substitution on thermodynamic and transport properties and anisotropic $\chi$ of Mg <sub>1-x</sub> Co <sub>x</sub> B <sub>2</sub> . Physical Review Letters, 2001, 86, 2423-2426.		

#	ARTICLE	IF	CITATIONS
19	Similarities between structural distortions under pressure and chemical doping in superconducting BaFe <sub>2</sub> As <sub>2</sub> . Nature Materials, 2009, 8, 471-475.	13.3	266
20	Uniaxial-strain mechanical detwinning of $\text{CaFe}_2\text{As}_2$ . Physical Review B, 2010, 81, .	1.1	255
21	Vortex phase diagram of $\text{BaFe}_2\text{As}_2$ . Physical Review B, 2008, 78, .	1.1	237
22	Evidence for a Lifshitz transition in electron-doped iron arsenic superconductors at the onset of superconductivity. Nature Physics, 2010, 6, 419-423.	6.5	237
23	Six closely related YbT <sub>2</sub> Zn <sub>20</sub> (T = Fe, Co, Ru, Rh, Os, Ir) heavy fermion compounds with large local moment degeneracy. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9960-9963.	3.3	226
24	Dirac node arcs in PtSn <sub>4</sub> . Nature Physics, 2016, 12, 667-671.	6.5	223
25	Use of frit-disc crucibles for routine and exploratory solution growth of single crystalline samples. Philosophical Magazine, 2016, 96, 84-92.	0.7	196
26	Unconventional pairing in the iron arsenide superconductors. Physical Review B, 2010, 81, .	1.1	191
27	Magnetic pair breaking in HoNi <sub>2</sub> B <sub>2</sub> C. Physical Review B, 1994, 50, 9668-9671.	1.1	189
28	Decoupling of the superconducting and magnetic/structural phase transitions in electron-doped $\text{BaFe}_2\text{As}_2$ . Physical Review B, 2009, 80, .	1.1	188
29	Temperature versus doping phase diagrams for $\text{BaFe}_2\text{As}_2$ . Physical Review B, 2010, 82, .	1.1	185
30	High-temperature solution growth of intermetallic single crystals and quasicrystals. Journal of Crystal Growth, 2001, 225, 155-161.	0.7	176
31	Temperature-Induced Lifshitz Transition in $\text{WTe}_2$ . Physical Review Letters, 2015, 115, 166602.	2.9	176
32	Magnetism and heavy fermion-like behavior in the RBiPt series. Journal of Applied Physics, 1991, 70, 5800-5802.	1.1	173
33	Structural transition and anisotropic properties of single-crystalline $\text{SrFe}_2\text{As}_2$ . Physical Review B, 2008, 78, .	1.1	168
34	Anisotropy of the iron pnictide superconductor $\text{BaFe}_2\text{As}_2$ . Physical Review B, 2009, 79, .	1.1	168
35	Phase diagrams for $\text{SrFe}_2\text{As}_2$ and $\text{BaFe}_2\text{As}_2$ . Physical Review B, 2009, 79, .	1.1	167
36	Systematic study of anisotropic transport and magnetic properties of RAgSb <sub>2</sub> (R=Y, La, Nd, Sm, Gd, Tm). Journal of Magnetism and Magnetic Materials, 1999, 205, 27-52.	1.0	165

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37	Enhancement of interlayer exchange in an ultrathin two-dimensional magnet. Nature Physics, 2019, 15, 1255-1260.	6.5	165
38	Lattice collapse and quenching of magnetism in CaFe <sub>2</sub> As <sub>2</sub> under pressure: A single-crystal neutron and x-ray diffraction investigation. Physical Review B, 2009, 79, .	1.1	164
39	Phase diagrams of BaFe <sub>2</sub> As <sub>2</sub> Physical Review B, 2009, 80, .	1.1	163
40	Determination of anisotropic magnetic susceptibility of BaFe <sub>2</sub> As <sub>2</sub> to 60 T in Physical Review B, 2008, 78, .	1.1	161
41	Possible Correlated-Electron Behavior from Quadrupolar Fluctuations in PrInAg <sub>2</sub> . Physical Review Letters, 1996, 77, 3637-3640.	2.9	160
42	Absence of superconductivity in single-phase CaFe <sub>2</sub> As <sub>2</sub> under hydrostatic pressure. Physical Review B, 2009, 79, .	1.1	156
43	Protein-Mediated Synthesis of Uniform Superparamagnetic Magnetite Nanocrystals. Advanced Functional Materials, 2007, 17, 951-957.	7.8	154
44	An overview of the basic physical properties of MgB <sub>2</sub> . Physica C: Superconductivity and Its Applications, 2003, 385, 1-7.	0.6	150
45	Magnetic structure of ErNi <sub>2</sub> B <sub>2</sub> C. Physical Review B, 1995, 51, 678-680.	1.1	148
46	Jump in specific heat at the superconducting transition temperature in BaFe <sub>2</sub> As <sub>2</sub> Physical Review B, 2009, 79, .	1.1	146
47	Nodes in the gap structure of the iron arsenide superconductor BaFe <sub>2</sub> As <sub>2</sub> Physical Review B, 2010, 82, .	1.1	143
48	Magnetic field effects on transport properties of PtSn <sub>4</sub> Physical Review B, 2012, 85, .	1.1	141
49	Microscopic coexistence of magnetism and superconductivity in ErNi <sub>2</sub> B <sub>2</sub> C. Nature, 1996, 382, 236-238.	13.7	137
50	Doping Dependence of Heat Transport in the Iron-Arsenide Superconductor BaFe <sub>2</sub> As <sub>2</sub> Physical Review Letters, 2010, 104, 067002.	2.9	137
51	Possible co-existence of superconductivity and weak ferromagnetism in ErNi <sub>2</sub> B <sub>2</sub> C. Physica C: Superconductivity and Its Applications, 1996, 262, 249-254.	0.6	136
52	Magnesium Diboride: Better Late than Never. Physics Today, 2003, 56, 34-40.	0.3	133
53	Character of the structural and magnetic phase transitions in the parent and electron-doped BaFe <sub>2</sub> As <sub>2</sub> Physical Review B, 2009, 79, .	1.1	132
54	Breakdown of de Gennes Scaling in (R <sub>1-x</sub> R <sub>2</sub> )Ni <sub>2</sub> B <sub>2</sub> C Compounds. Physical Review Letters, 1996, 77, 163-166.	2.9	131

#	ARTICLE	IF	CITATIONS
55	<a href="#">Direct imaging of the structural domains in the iron pnictides</a> $A_{1-x}Fe_x$		2

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73	Determination of superconducting anisotropy from magnetization data on random powders as applied to LuNi <sub>2</sub> B <sub>2</sub> C, YNi <sub>2</sub> B <sub>2</sub> C, and MgB <sub>2</sub> . Physical Review B, 2001, 64, .	1.1	99
74	Physical and magnetic properties of $Ba_{1-x}K_xFe_2As_2$ . Physical Review B, 2010, 82, .	1.1	98
75	A family of binary magnetic icosahedral quasicrystals based on rare earths and cadmium. Nature Materials, 2013, 12, 714-718.	13.3	98
76	Origin of the Resistivity Anisotropy in the Nematic Phase of FeSe. Physical Review Letters, 2016, 117, 127001.	2.9	93
77	Superconducting MgB <sub>2</sub> thin films by pulsed laser deposition. Applied Physics Letters, 2001, 79, 227-229.	1.5	92
78	London penetration depth in single crystals of $Ba_{1-x}K_xFe_2As_2$ . Physical Review B, 2009, 79, .	1.1	92
79	Magnetic structure of GdNi <sub>2</sub> B <sub>2</sub> C by resonant and nonresonant x-ray scattering. Physical Review B, 1996, 53, 6355-6361.	1.1	91
80	Magnetic anisotropy and weak ferromagnetism of single-crystal TbNi <sub>2</sub> B <sub>2</sub> C. Physical Review B, 1996, 53, 8499-8505.	1.1	90
81	Muon-spin-relaxation studies of magnetic order and superfluid density in antiferromagnetic NdFeAsO, BaFe <sub>2</sub> As <sub>2</sub> , and superconducting Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> . Physical Review B, 2008, 78, .	1.1	89
82	Phase transition in bulk single crystals and thin films of $Ba_{1-x}K_xFe_2As_2$ . Physical Review B, 2009, 79, .	1.1	88
83	Resistivity anisotropy of $Ba_{1-x}K_xFe_2As_2$ and $KxFe_2As_2$ . Physical Review B, 2007, 75, 93.	1.1	87
84	Antiferromagnetic ordering in the absence of structural distortion in $Ba_{1-x}K_xFe_2As_2$ . Physical Review B, 2010, 82, .	1.1	87
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91	Single pair of Weyl fermions in the half-metallic semimetal $\text{EuC}_2\text{As}$ . <a href="#">Physical Review B, 2019, 99, .</a>	1.1	83
92	Intertwined symmetry of the magnetic modulation and the flux-line lattice in the superconducting state of $\text{TmNi}_2\text{B}_2\text{C}$ . <i>Nature</i> , 1998, 393, 242-245.	13.7	81
93	Nearly ferromagnetic Fermi-liquid behaviour in $\text{YFe}_2\text{Zn}_{20}$ and high-temperature ferromagnetism of $\text{CdFe}_2\text{Zn}_{20}$ . <i>Nature Physics</i> , 2007, 3, 334-338.	6.5	81
94	Stabilization of an ambient-pressure collapsed tetragonal phase in $\text{CaFe}_2\text{As}_2$ . <a href="#">Physical Review B, 2016, 94, .</a>	1.1	81
95	Variation of transition temperatures and residual resistivity ratio in vapor-grown $\text{FeSe}$ . <a href="#">Physical Review B, 2016, 94, .</a>	1.1	81
96	Angular dependence of metamagnetic transitions in $\text{HoNi}_2\text{B}_2\text{C}$ . <i>Physical Review B</i> , 1997, 55, 970-976.	1.1	80
97	Doping evolution of the absolute value of the London penetration depth and superfluid density in single crystals of $\text{FeTe}_{1-x}\text{Se}_x$ . <a href="#">Physical Review B, 2016, 94, .</a>		

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109	Very-low-temperature tunneling spectroscopy in the heavy-fermion superconductor PrOs <sub>4</sub> Sb <sub>12</sub> . Physical Review B, 2004, 69, .	1.1	67
110	Intrinsic magnetic properties of the superconductor NdFeAsO <sub>0.9</sub> F <sub>0.1</sub> from local and global measurements. New Journal of Physics, 2009, 11, 035004.	1.2	66
111	London penetration depth in $Ba_{1-x}Bi_xFe_2As_2$ . Physical Review B, 2010, 82, .	1.1	66
112	Pseudogap and its critical point in the heavily doped $Ba_{1-x}Bi_xFe_2As_2$ . Physical Review B, 2010, 82, .	1.1	66
113	Thermodynamic and transport measurements, and pressure dependence of $Ba_{1-x}Bi_xFe_2As_2$ . Physical Review B, 2015, 91, .	1.1	66
114	Reinvestigation of long-range magnetic ordering in icosahedral Tb-Mg-Zn. Physical Review B, 1998, 57, R11047-R11050.	1.1	64
115	Muon spin rotation measurement of the magnetic field penetration depth in $Ba_{1-x}Bi_xFe_2As_2$ . Physical Review B, 2009, 80, .	1.1	64
116	Ultrafast observation of critical nematic fluctuations and giant magnetoelastic coupling in iron pnictides. Nature Communications, 2014, 5, 3229.	5.8	64
117	Optimization of the crystal growth of the superconductor $CaKFe_4As_8$ from solution in the $FeAs$ . Physical Review Materials, 2017, 1, .	0.9	63
118	Systematic Studies of the Square-Hexagonal Flux Line Lattice Transition in Lu(Ni <sub>1-x</sub> Cox) <sub>2</sub> B <sub>2</sub> C: The Role of Nonlocality. Physical Review Letters, 1999, 82, 4082-4085.	2.9	62
119	Magnetic properties of $R_{1-x}Fe_xAs_2$ . Physical Review B, 2009, 79, 014407.	1.1	62
120	Magnetic ordering and structural distortion in Ru-doped $BaFe_2As_2$ . Physical Review B, 2011, 83, 014407.	1.1	62
121	What Controls the Phase Diagram and Superconductivity in Ru-Substituted $BaFe_2As_2$ ?. Physical Review Letters, 2011, 107, 267002.	2.9	62
122	Giant magnetic anisotropy and tunnelling of the magnetization in Li <sub>2</sub> (Li <sub>1-x</sub> Fex)N. Nature Communications, 2014, 5, 3333.	5.8	60
123	Magnetic-field-tuned quantum criticality of the heavy-fermion system YbPtBi. Physical Review B, 2013, 87, .	1.1	59
124	Atomic Origin of Magnetocrystalline Anisotropy in Nd <sub>2</sub> Fe <sub>14</sub> B. Physical Review Letters, 2005, 95, 217207.	2.9	58
125	Solidification and loss of hydrostaticity in liquid media used for pressure measurements. Review of Scientific Instruments, 2015, 86, 123904.	0.6	58
126	Manipulating magnetism in the topological semimetal $EuCd_{1-x}Mn_x$ . Physical Review B, 2020, 101, .	1.1	58



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127	Novel Ce magnetism in CeDipnictide and Diâ€Ce pnictide structures. Journal of Applied Physics, 1991, 70, 5992-5994.	1.1	57
128	Thermal expansion and anisotropic pressure derivatives of $\frac{\partial T}{\partial c}$		

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145	Phonon-mediated anisotropic superconductivity in the Y and Lu nickel borocarbides. Physical Review B, 2003, 67, .	1.1	50
146	Charge-density-wave orderings in LaAgSb <sub>2</sub> : An x-ray scattering study. Physical Review B, 2003, 68, .	1.1	50
147	Upper and lower critical magnetic fields of superconducting NdFeAsO <sub>1-x</sub> studied by Hall-probe magnetization and specific heat. Physical Review B, 2009, 79, .	1.1	50
148	Control of magnetic, nonmagnetic, and superconducting states in annealed Ca <sub>1-x</sub> Fe <sub>x</sub> single crystals. Physical Review B, 2009, 79, .	1.1	50
149	Enhancement of superconducting transition temperature by pointlike disorder and anisotropic energy gap in FeSe single crystals. Physical Review B, 2016, 94, .	1.1	50
150	Systematic study of the superconducting and normal-state properties of neutron-irradiated MgB <sub>2</sub> . Physical Review B, 2006, 73, .	1.1	49
151	Vortices in superconducting Ba <sub>1-x</sub> (Fe <sub>0.93</sub> Co <sub>0.07</sub> ) <sub>2</sub> As <sub>2</sub> studied via small-angle neutron scattering and Bitter decoration. Physical Review B, 2009, 79, .	1.1	49
152	Nodeless multiband superconductivity in stoichiometric single-crystalline CaKFe <sub>4</sub> As <sub>8</sub> . Physical Review B, 2017, 95, .	1.1	49
153			

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163	Influence of multiband sign-changing superconductivity on vortex cores and vortex pinning in stoichiometric high- $T_c$ $\text{CaFe}_2\text{As}_2$ . Physical Review B, 2018, 97, .	1.1	45
164	Probing Fractal Magnetic Domains on Multiple Length Scales in $\text{Nd}_2\text{Fe}_2\text{B}$ . Physical Review Letters, 2009, 102, 047204.	2.9	44
165	Evidence from neutron diffraction for superconductivity in the stabilized tetragonal phase of $\text{CaFe}_2\text{As}_2$ under uniaxial pressure. Physical Review B, 2010, 81, .	1.1	44
166	Competition between stripe and checkerboard magnetic instabilities in Mn-doped $\text{BaFe}_2\text{As}_2$ . Physical Review Letters, 2013, 111, 227002.	1.1	44
167	Unusual Temperature Dependence of Band Dispersion in $\text{BaFe}_2\text{As}_2$ . Physical Review B, 2014, 89, .	1.1	44
168	Magnetic crystalline-symmetry-protected axion electrodynamics and field-tunable unpinned Dirac cones in $\text{Euln}_2\text{As}_2$ . Nature Communications, 2021, 12, 999.	5.8	44
169	Valence-Band Dispersion in Angle-Resolved Resonant Photoemission from $\text{LaSb}$ . Physical Review Letters, 1996, 76, 4265-4268.	2.9	43
170	On the growth of icosahedral $\text{Al-Pd-Mn}$ quasicrystals from the ternary melt. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1999, 79, 1673-1684.	0.6	43
171	Inelastic Neutron Scattering Study of a Nonmagnetic Collapsed Tetragonal Phase in Nonsuperconducting $\text{CaFe}_2\text{As}_2$ . Physical Review Letters, 2013, 111, 227002.	2.9	43
172	Upper critical field of $\text{KFe}_2\text{As}_2$ under pressure: A test for the change in the superconducting gap structure. Physical Review B, 2014, 89, .	1.1	43
173	Suppression of antiferromagnetic order and orthorhombic distortion in superconducting $\text{BaFe}_2\text{As}_2$ . Physical Review B, 2010, 81, .	1.1	42
174	Unusual Temperature Dependence of Band Dispersion in $\text{BaFe}_2\text{As}_2$ . Physical Review B, 2014, 89, .	2.9	42
175	Effect of nickel substitution on magnetism in the layered van der Waals ferromagnet $\text{Fe}_3\text{S}_4$ . Physical Review B, 2018, 98, .	1.1	42
176	Disorder-Driven Transition from $\text{CaKFe}_4\text{As}_8$ to $\text{CaKFe}_2\text{As}_4$ . Physical Review B, 2017, 96, .	2.9	42
177	Superconducting Order Parameter in Proton Irradiated $\text{CaKFe}_4\text{As}_8$ . Physical Review B, 2017, 96, .	1.1	41
178	Uniaxial strain control of spin-polarization in multicomponent nematic order of $\text{BaFe}_2\text{As}_2$ . Nature Communications, 2018, 9, 1058.	5.8	41
179	Magnetic fluctuations and superconducting properties of $\text{CaKFe}_4\text{As}_8$ studied by NMR. Physical Review B, 2017, 96, .	1.1	40
180	Interlayer Coherence and Superconducting Condensate in the c-Axis Response of Optimally Doped $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ High-Tc Superconductor Using Infrared Spectroscopy. Physical Review Letters, 2013, 110, 097003.	2.9	39

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181	Single crystal growth from light, volatile and reactive materials using lithium and calcium flux. Philosophical Magazine, 2014, 94, 2372-2402.	0.7	39
182	Solution growth of a binary icosahedral quasicrystal of $\text{Sc}$ . Physical Review B, 2010, 81, .	1.1	38
183	Local magnetic inhomogeneities in $\text{Ba}(\text{Fe}_{1-x}\text{Ni}_x)_2\text{As}_2$ as seen via $^{75}\text{S}$ NMR. Physical Review B, 2010, 82, .	1.1	38
184	Nodeless superconductivity in the type-II Dirac semimetal $\text{PdTe}$ : London penetration depth and pairing-symmetry analysis. Physical Review B, 2018, 98, .	1.1	38
185	Boron isotope effect in single-crystal $\text{YNi}_2\text{B}_2\text{C}$ and $\text{LuNi}_2\text{B}_2\text{C}$ superconductors. Physica C: Superconductivity and Its Applications, 1999, 312, 35-39.	0.6	36
186	Tunneling spectroscopy in the magnetic superconductor $\text{TmNi}_2\text{B}_2\text{C}$ . Physical Review B, 2001, 64, .	1.1	36
187	Magnetism and superconductivity in rare earth "nickel" borocarbides. Comptes Rendus Physique, 2006, 7, 56-67.	0.3	36
188	Crystallographic phase transition within the magnetically ordered state of $\text{Ce}_2\text{Fe}_{17}$ . Physical Review B, 2007, 76, .	1.1	36
189	Superfluid density and field-induced magnetism in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ and $\text{Sr}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ measured with muon spin relaxation. Physical Review B, 2010, 82, .	1.1	36
190	Heat capacity jump at $T_c$ and pressure derivatives of superconducting transition temperature in the $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ (0.2 $\leq x \leq$ 1.0) series. Physical Review B, 2013, 87, .	1.1	36
191	Pressure-induced half-collapsed-tetragonal phase in $\text{CaKFe}_4\text{As}_8$ . Physical Review B, 2017, 96, .	1.1	36
192	Persistent correlation between superconductivity and antiferromagnetic fluctuations near a nematic quantum critical point in $\text{FeSe}$ . Physical Review B, 2018, 98, .	1.1	36
193	NMR spectroscopy of the normal and superconducting states of $\text{MgB}_2$ and comparison to $\text{AlB}_2$ . Physical Review B, 2002, 66, .	1.1	34
194	Field-induced non-Fermi-liquid resistivity of stoichiometric $\text{YbAgGe}$ single crystals. Physical Review B, 2006, 73, .	1.1	34
195	Electrical transport measurements under pressure for $\text{BaFe}_2\text{As}_2$ compounds doped with Co, Cr, or Sn. Superconductor Science and Technology, 2010, 23, 054003.	1.8	34
196	Dome of magnetic order inside the nematic phase of sulfur-substituted $\text{FeSe}$ under pressure. Physical Review B, 2017, 96, .	1.1	34
197	Rotational tuning of $H_{c2}$ anomalies in $\text{ErNi}_2\text{B}_2\text{C}$ : Angular-dependent superzone gap formation and its effect on the superconducting ground state. Physical Review B, 2000, 61, R14932-R14935.	1.1	33
198	$^{11}\text{B}$ NMR and relaxation in the $\text{MgB}_2$ superconductor. Physical Review B, 2001, 64, .	1.1	33

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199	Angular-dependent planar metamagnetism in the hexagonal compounds TbPtIn and TmAgGe. Physical Review B, 2005, 71, .	1.1	33
200	Anisotropic Hall effect in single-crystal heavy-fermion YbAgGe. Physical Review B, 2005, 71, .	1.1	33
201	Experimental setup for the measurement of the thermoelectric power in zero and applied magnetic field. Measurement Science and Technology, 2010, 21, 055104.	1.4	33
202	Multiple regions of quantum criticality in YbAgGe. Physical Review B, 2011, 83, .	1.1	33
203	NMR evidence for inhomogeneous glassy behavior driven by nematic fluctuations in iron arsenide superconductors. Physical Review B, 2015, 92, .	1.1	33
204	Multiple ferromagnetic transitions and structural distortion in the van der Waals ferromagnet $\text{VI}_3$ at ambient and finite pressures. Physical Review B, 2019, 100, .	1.1	33
205	Precise measurements of radio-frequency magnetic susceptibility in ferromagnetic and antiferromagnetic materials. Journal of Magnetism and Magnetic Materials, 2008, 320, 354-363.	1.0	32

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217	Excitations in underdoped $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)\text{As}_2$ . Physical Review B, 2018, 97, .	1.1	29
218	Antiferromagnetic order in $\text{CaK}(\text{Fe}_{1-x}\text{Co}_x)\text{As}_2$ and its interplay with su. Physical Review B, 2018, 97, .	1.1	29
219	Optical Conductivity of the Superconductors $\text{LaNi}_2\text{B}_2\text{C}$ (L=Lu and Y). Physical Review Letters, 1997, 78, 547-550.	2.9	28
220	Strongly dissimilar vortex-liquid regimes in single-crystalline $\text{NdFeAs}(\text{O},\text{F})$ and $(\text{Ba},\text{K})\text{Fe}_2\text{As}_2$ : A comparative study. Physical Review B, 2009, 80, .	1.1	28
221	Nonequilibrium Pair Breaking in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)\text{As}_2$ . Physical Review B, 2018, 97, 267001.	1.1	28
222	Anisotropy and internal-field distribution of $\text{MgB}_2$ in the mixed state at low temperatures. Physical Review B, 2004, 70, .	1.1	27
223	Magnetic properties of $\text{Cd}(\text{Fe}_{1-x}\text{Co}_x)\text{As}_2$ . Physical Review B, 2014, 89, 114411.	1.1	27
224	Contribution of $\text{Fe}^2$ to the Fermi level of $\text{CaFe}(\text{Fe}_{1-x}\text{Co}_x)\text{As}_2$ . Physical Review B, 2009, 80, .	1.1	27
225	Magnetic order in $\text{GdBiPt}$ studied by x-ray resonant magnetic scattering. Physical Review B, 2011, 84, .	1.1	27
226	Suppression of electron correlations in the collapsed tetragonal phase of $\text{Ca}(\text{Fe}_{1-x}\text{Co}_x)_2$ at ambient pressure demonstrated by $\text{As}(\text{Fe}_{1-x}\text{Co}_x)_2$ . Physical Review B, 2014, 89, 114411.	1.1	27
227	Magnetic and transport properties of $\text{R}(\text{Fe}_{1-x}\text{Co}_x)_2$ quasicrystals. Physical Review B, 2014, 89, 114411.	1.1	27
228	Preserved entropy and fragile magnetism. Reports on Progress in Physics, 2016, 79, 084506.	8.1	27
229	A study of the physical properties of single crystalline $\text{Fe}_5\text{B}_2\text{P}$ . Journal of Magnetism and Magnetic Materials, 2016, 401, 525-531.	1.0	27
230	Measuring the Lower Critical Field of Superconductors Using Nitrogen-Vacancy Centers in Diamond Optical Magnetometry. Physical Review Applied, 2019, 11, .	1.5	27
231	Unconventional supercurrent phase in Ising superconductor Josephson junction with atomically thin magnetic insulator. Nature Communications, 2021, 12, 5332.	5.8	27
232	Systematics of x-ray resonant scattering amplitudes in $\text{RNi}_2\text{Ge}_2$ (R=Gd,Tb,Dy,Ho,Er,Tm): The origin of the branching ratio at the Ledges of the heavy rare earths. Physical Review B, 2005, 72, .	1.1	26
233	Signatures of quantum criticality in the thermopower of $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)\text{As}_2$ . Physical Review B, 2018, 97, 267001.	1.1	26
234	Three-dimensionality of the bulk electronic structure in $\text{WTe}_2$ . Physical Review B, 2017, 95, .	1.1	26

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235	Spatially-resolved study of the Meissner effect in superconductors using NV-centers-in-diamond optical magnetometry. <i>New Journal of Physics</i> , 2018, 20, 043010.	1.2	26
236	Tuning the Intrinsic Anisotropy with Disorder in the $\text{CaFeAs}_4$ Superconductor. <i>Physical Review Applied</i> , 2020, 13, .	1.5	26
237	$4f$ spin density in the reentrant ferromagnet $\text{SmMn}_2\text{Ge}_2$ . <i>Physical Review B</i> , 2000, 62, R6073-R6076. Fermi surface reconstruction in $\text{CaFeAs}_4$ .	1.1	25
238	$\text{FeAs}_2$ X-ray diffraction on large single crystals using a powder diffractometer. <i>Philosophical Magazine</i> , 2016, 96, 2115-2124.	1.1	25
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